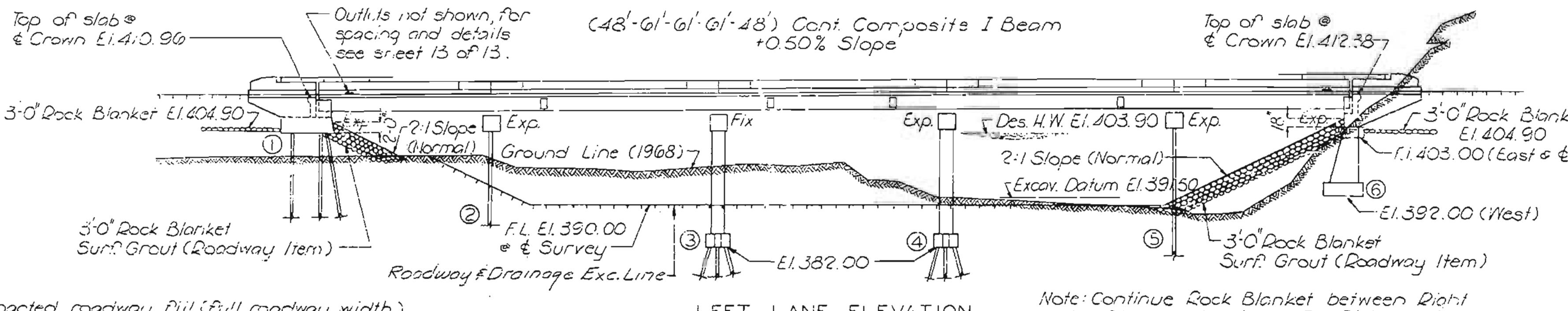


MISSOURI STATE HIGHWAY DEPARTMENT

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| 5 | MO | | 13 | 2-9 | |



GENERAL NOTES:

Design Specifications: A.A.S.H.O. - 1965

Design Loading: HS20-44

15 1/2 Sq.Ft. Future Wearing Surface

Modified 24,000 Tandem Axle

Earth 120 Equivalent Fluid Pressure 50"

Fatigue Stress - Case 1

Design Unit Stresses: Class B Concrete (Substructure) f'_c = 1,200 p.s.i.

Class B1 Concrete (Superstructure) f'_c = 1,600 p.s.i.

Reinforcing Steel f'_s = 20,000 p.s.i.

Structural Steel (A.S.T.M. A36-GG) f'_s = 20,000 p.s.i.

Steel Pile (A.S.T.M. A36-GG) f'_p = 9,000 p.s.i.

Superstructure deck to be surface sealed.

Field connections, High Strength Bolts $\frac{3}{8}$ " holes $\frac{1}{2}$ " except as noted.

Paint: Shop, none: Field, by contractor in accordance with Std. Spec. 712.12.

Note: Continue Rock Blanket between Right and Left Lane structures. For Right Lane structure carry Rock Blanket 300' along West side of f' ll at End Bent 1. Follow Std Specs. for side slopes at other locations.

Note: For Boring Data see sheet 2 of 13.
• Indicates location of boring.

• Lt. Lane & Crown

Profile Grade 7

42' 0"

30' 0"

45° 14' 1/2

10.0000

30' 0"

30' 0"

45° 14' 1/2

10.0000

30' 0"

30' 0"

45° 14' 1/2

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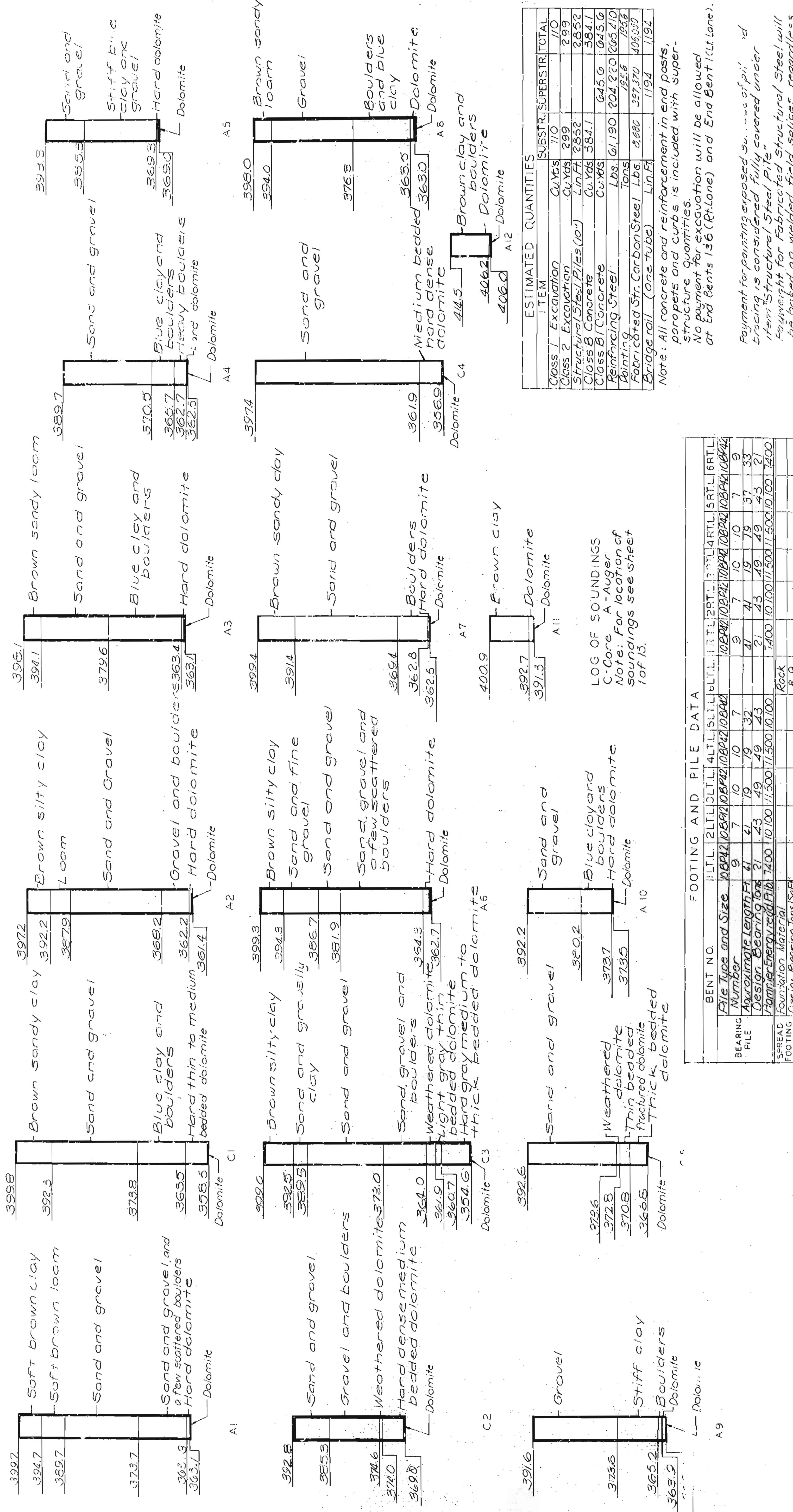
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FOR INFORMATION ONLY

A2269R, Sht. 2

| FED. ROAD DIST. NO. | STATE NO. | FED. AID PROJ. NO. | FISCAL YEAR: | SHEET NO. | TOTAL SHEETS |
|------------------------|--------------|-----------------------|-----------------|--------------|-----------------|
| 5 | | | | 19 | 1 |

MISSOURI STATE HIGHWAY DEPARTMENT



Note: This drawing is not to scale. Follow dimensions.

Note: Minimum energy requirement of hammer based on plan length and design bearing value of piles. Increase by time factor $(1 + \frac{W}{2})^2$ when the weight of the ramming is less than the weight of pile used. All pile shall be driven to practical refusal.

STE. GENEVIEVE

Sheet No. 2 of 13.

COUNTY

DETAILLED OCT. 1968 BY P.R.
CHECKED OCT. 1968 BY A.J.S.

A-2269

| ITEM | ESTIMATED QUANTITIES | UNIT | SUBSTR. | SUPERSTR. | TOTAL |
|------------------------------|----------------------|--------|---------|-----------|---------|
| Class 1 Excavation | Cu Yds | '10 | | | 110 |
| Class 2 Excavation | Cu Yds | '299 | | | 299 |
| Structural Steel/Piles (10') | Ln ft | 2852 | | | 2852 |
| Class B Concrete | Cu Yds | 3841 | | | 3841 |
| Reinforcing Steel | Lbs | 61,190 | 204 | 220 | 225,410 |
| Painting | Tons | 135.6 | | | 135.6 |
| Fabricated Str. Carbon Steel | Lbs | 2,680 | 397,370 | 406,050 | 406,050 |
| Bridge rail (one tube) | Lin ft | 1,194 | | | 1,194 |

Note: All concrete and curb is included with superstructure quantities. No payment for excavation will be allowed at end bents 136 (Rt. Lane) and End Bent 11 (Lt. Lane). Payment for painting exposed surfaces of piling is considered fully covered under Item "Structural Steel/Pile". Charge for fabricated structural steel will be based on welded field splices regardless of type used.

Note: All concrete and curb is included with superstructure quantities. No payment for excavation will be allowed at end bents 136 (Rt. Lane) and End Bent 11 (Lt. Lane).

</div

| TEC. NO. | POD. DIST. | STATE | FEED. PROJ. NO. | FISCAL YEAR | SHET. NO. | TOTAL SHEETS |
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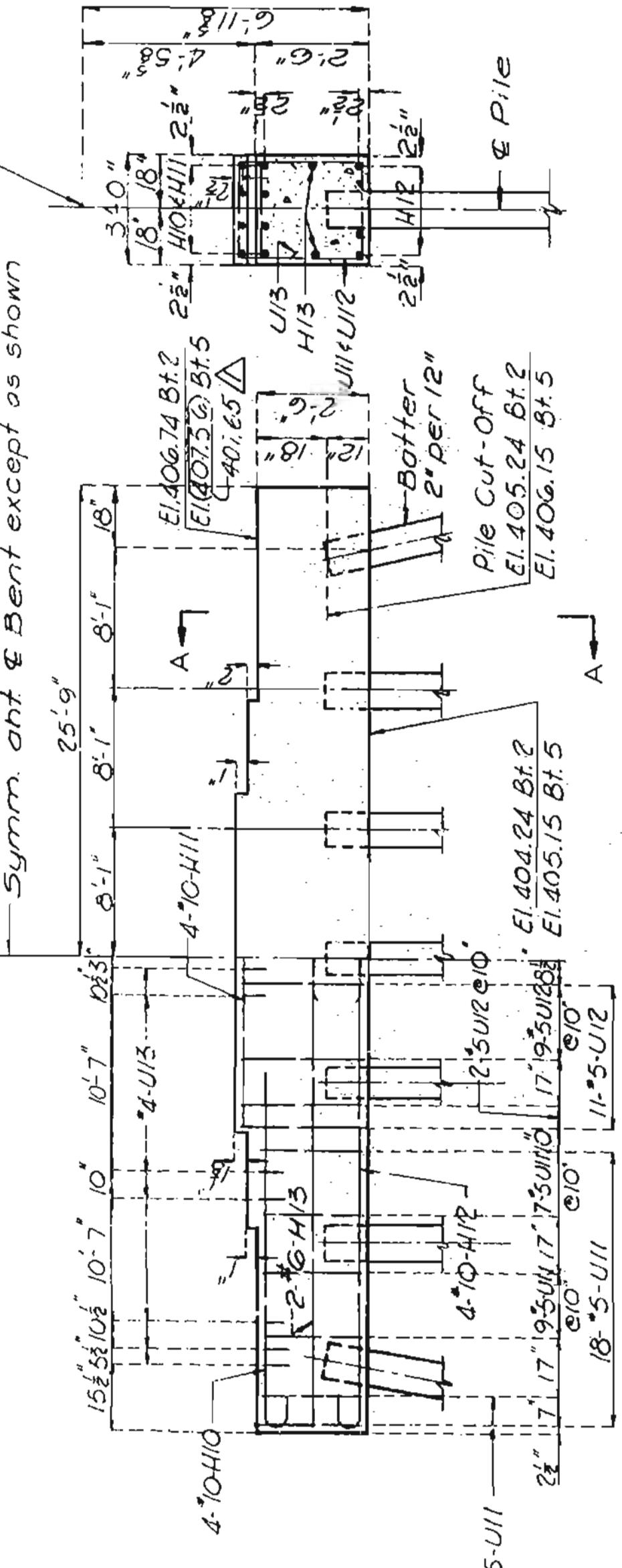
MISSOURI STATE HIGHWAY DEPARTMENT

| COMPLETE BILL OF REINFORCING STEEL | | | | | | | BENDING SKETCHES & CUTTING DIAGRAMS | | |
|------------------------------------|-------------|---------------|-----------|-------------------------|-----|------|-------------------------------------|------|------------------------|
| NO. | SIZE | LENGTH | MARK | LOCATION | NO. | SIZE | LENGTH | MARK | LOCATION |
| 1 | End Bents / | Intermediates | Bent 3-64 | End Bent 6 (Right Lane) | 14 | *4 | 3'-0" | C | Superstructure (Cont.) |
| 2 | *6 | 9'-3" | F1 | Wing | 108 | *8 | 4'-0" | D1 | 40'-6" 5/ |
| 3 | 16 | 3'-3" | F2 | " | | | | | 5/ab |
| 4 | 16 | 22'-3" | 1/2 | " | 48 | *6 | 9'-3" | F4 | 43'-3" 5/ |
| 5 | 18 | 30'-0" | 1/4 | Beam | 16 | *6 | 9'-0" | F5 | 52" |
| 6 | 16 | 28'-6" | 1/2 | " | 16 | *3 | 10'-0" | F6 | 53" |
| 7 | 14 | 23'-6" | 1/4G | Backwall | 10 | *2 | 19'-9" | W1 | A.B. Wells |
| 8 | 16 | 29'-0" | 1/4T | " | 32 | *7 | 9'-3" | H8 | Beam |
| 9 | 16 | 13'-9" | 1/8 | Wing | 16 | *11 | 3'-0" | H9 | End Bent 6 (Left Lane) |
| 10 | 16 | 22'-3" | 1/9 | " | 16 | *10 | 14'-3" | H20 | Footings |
| 11 | 16 | 22'-0" | 1/50 | " | 8 | *11 | 15'-6" | H21 | " |
| 12 | 16 | 11'-0" | 1/1 | Wing | 24 | *10 | 3'-3" | H22 | " |
| 13 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H23 | " |
| 14 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H24 | " |
| 15 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H25 | " |
| 16 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H26 | " |
| 17 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H27 | " |
| 18 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H28 | " |
| 19 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H29 | " |
| 20 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H30 | " |
| 21 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H31 | " |
| 22 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H32 | " |
| 23 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H33 | " |
| 24 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H34 | " |
| 25 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H35 | " |
| 26 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H36 | " |
| 27 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H37 | " |
| 28 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H38 | " |
| 29 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H39 | " |
| 30 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H40 | " |
| 31 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H41 | " |
| 32 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H42 | " |
| 33 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H43 | " |
| 34 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H44 | " |
| 35 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H45 | " |
| 36 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H46 | " |
| 37 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H47 | " |
| 38 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H48 | " |
| 39 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H49 | " |
| 40 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H50 | " |
| 41 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H51 | " |
| 42 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H52 | " |
| 43 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H53 | " |
| 44 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H54 | " |
| 45 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H55 | " |
| 46 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H56 | " |
| 47 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H57 | " |
| 48 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H58 | " |
| 49 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H59 | " |
| 50 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H60 | " |
| 51 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H61 | " |
| 52 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H62 | " |
| 53 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H63 | " |
| 54 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H64 | " |
| 55 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H65 | " |
| 56 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H66 | " |
| 57 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H67 | " |
| 58 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H68 | " |
| 59 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H69 | " |
| 60 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H70 | " |
| 61 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H71 | " |
| 62 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H72 | " |
| 63 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H73 | " |
| 64 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H74 | " |
| 65 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H75 | " |
| 66 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H76 | " |
| 67 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H77 | " |
| 68 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H78 | " |
| 69 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H79 | " |
| 70 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H80 | " |
| 71 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H81 | " |
| 72 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H82 | " |
| 73 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H83 | " |
| 74 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H84 | " |
| 75 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H85 | " |
| 76 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H86 | " |
| 77 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H87 | " |
| 78 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H88 | " |
| 79 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H89 | " |
| 80 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H90 | " |
| 81 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H91 | " |
| 82 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H92 | " |
| 83 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H93 | " |
| 84 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H94 | " |
| 85 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H95 | " |
| 86 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H96 | " |
| 87 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H97 | " |
| 88 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3" | H98 | " |
| 89 | 16 | 7'-9" | 1/2 | " | 16 | *6 | 25'-6" | H99 | " |
| 90 | 16 | 10'-6" | 1/2 | " | 21 | *11 | 19'-6" | H100 | " |
| 91 | 16 | 7'-9" | 1/2 | " | 8 | *10 | 12'-0" | H101 | " |
| 92 | 16 | 10'-6" | 1/2 | " | 24 | *10 | 3'-3 | | |

MISSOURI STATE HIGHWAY DEPARTMENT

Gr. El. @ & C.R.W.
El. 4/11.21 Bt. 2
El. 4/12.12 Bt. 5

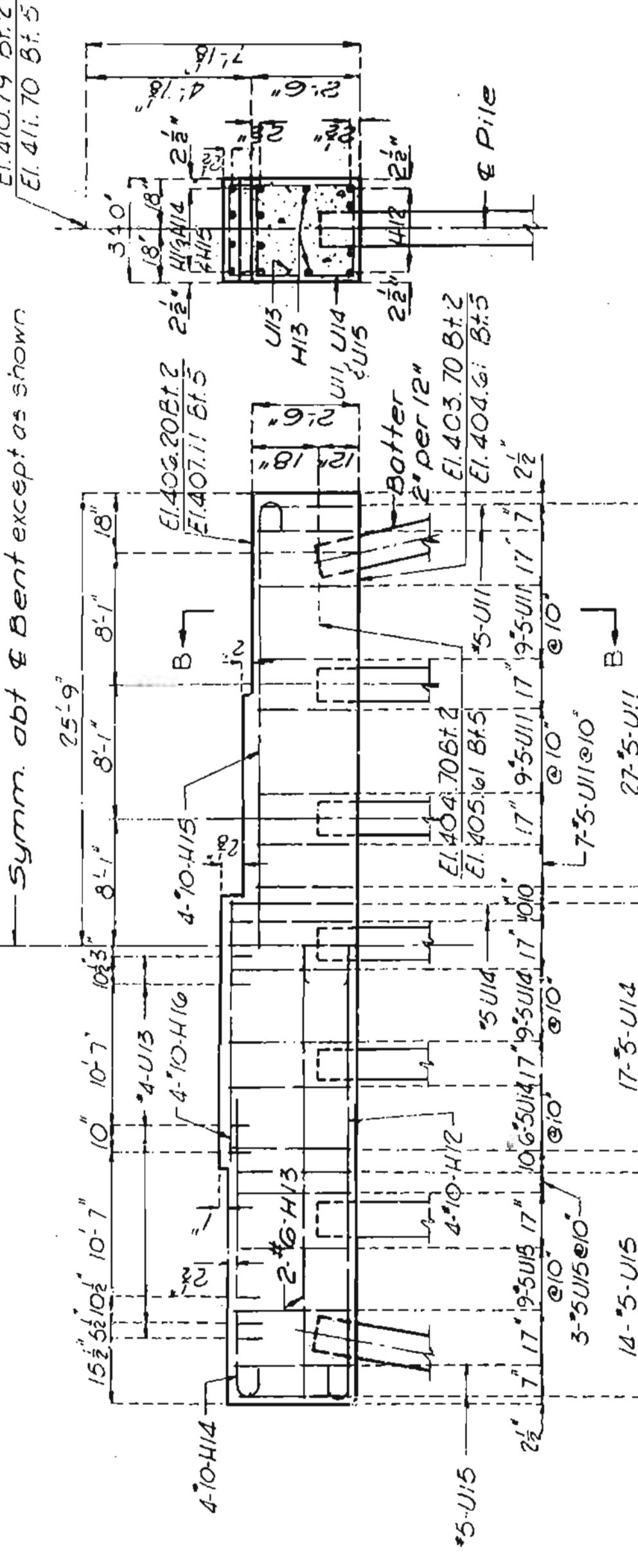
Symm. ont. & Bent except as shown



SECTION A-

ELEVATION

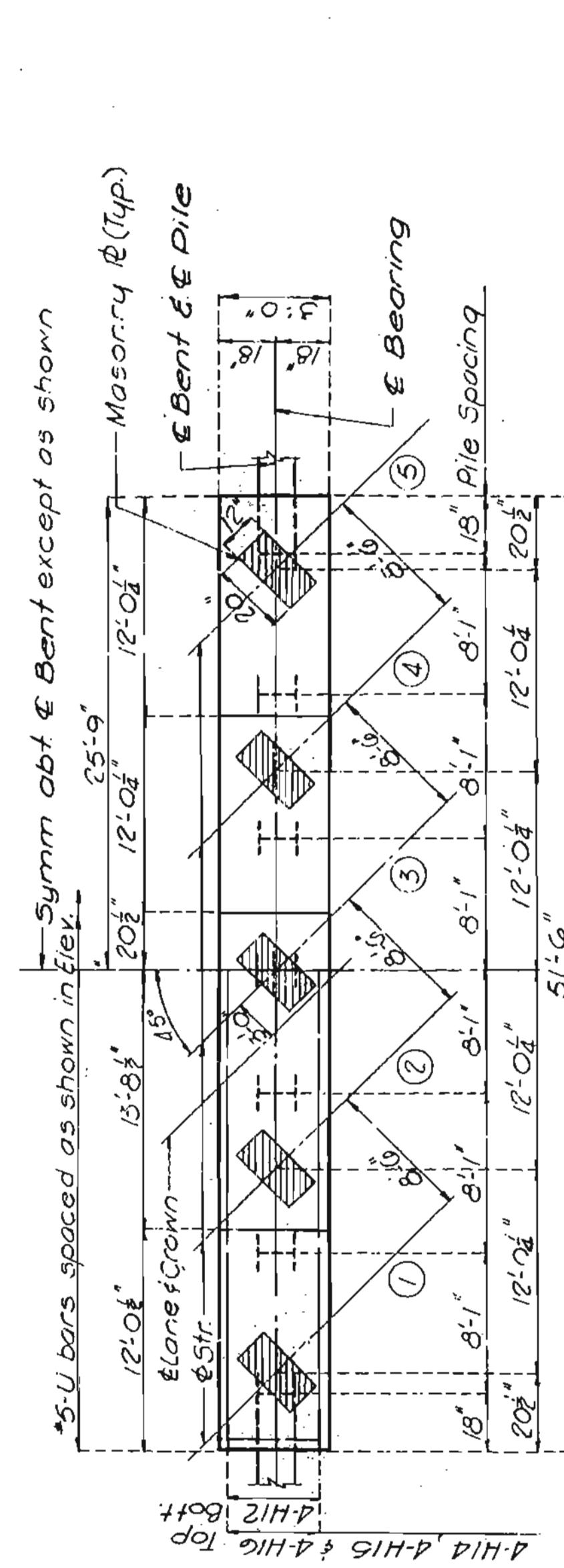
→ Summary obt & Bent except as shown



SECTION B - E

EL.ELEVATION

→ Summary obt & Bent except as shown



RIGHT LANE

DETAILS OF INTERMEDIATE BENT NO. 285

PLAN

PLAN NO. 28
DETAILS OF INTERMEDIATE BENT LEFT LANE

Structural diagram of a bridge pier showing internal truss members and dimensions. The pier has a height of 10' 0" and a width of 5' 0". The top chord is labeled "L - 5' x 3 1/2' x 3/8"". The bottom chord is labeled "2-1/2' 5" x 3 1/2' x 3/8"". The left side of the pier is labeled "Typ." with a dimension of 5' 0". The right side of the pier is labeled "Typ." with a dimension of 5' 0". A vertical column on the left is labeled "EI 395.00 Bt 2 R4 L". A vertical column on the right is labeled "EI 394.00 Bt 2 C4 L".

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PROJECT NO. STE GENEVIEVE

A-2269

11 - Rev. 4-7-10

FOR INFORMATION ONLY

A2269R, Sht. 8

MISSOURI STATE HIGHWAY DEPARTMENT

27'-5"-V/ 28'-2"cts. (Each Face)

& Lane & Crown @ Fill Face

Gr. El. 411.96 E-4H41

Const. Jt. 2'-4H47

Symm. abut. & bent

except as shown

Const. Jt. 2'-4H4

Const. Jt.

2'-4H4

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MISSOURI STATE HIGHWAY DEPARTMENT

NOTES: TYPE "D" BEARINGS
Lead plates under bearings shall be approximately 8" thickness and weigh 8# sq. ft. cost of lead plates shall be included in price bid for other items. Estimated weight does not include weight of anchor bolts. Rockers and pedestals shall be machined after welding. Where flat surface is indicated, tolerance shall be .003 in/in in any direction. Bearings shall be 1/4" & swaged bolts and shall extend 12" into concrete with hexagon nuts and plain washers for Fixed Bearings, no nuts for Expansion Bearings.

END VIEW OF WEB EXPANSION BEARING

WELDING DETAILS

REQUIRED: 5 @ Bent 3 = 630*

TYPE "D" BEARINGS (Estimated Weight 6860")

EXPANSION
Required: 5 @ Bents 1&6 = 2120*
5 @ Bents 2,4 & 5 = 4110*

SECTION THRU CURB

PART PLAN

EXPANSION DEVICE AT END BENTS NO. 1 & 6

BRIDGE
STATE ROAD
ABOUT
PROJECT NO.
STE. GENEVIEVE

STA.
COUNTY

BCPP & SALLER & ASSOCIATES, INC.

DETAILED OCT 1968 BY M.J.S.
CHECKED OCT 1968 BY A.J.S.

A - 2269

Sheet No. 12 of 13.

MISSOURI STATE HIGHWAY DEPARTMENT

— Objects not shown by
existing and existing
see sheet 15 off.

www.500.com

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GENERAL NOTES:

BRIDGE ROUTE 1-55 OVER FOURCHE A D'J CLOS CREEK
Bldg 31E Stake #4/400, & on S. end P.M. Cor. 6 S.B. Brdg.

STATE ROAD INTERSTATE ROUTE 55
ABOUT 0.6 MI. SO. OF BLOOMSDALE
PROJECT NO. I-55-2⁽¹⁹⁾ (RTE. I-55) **STA.** 416+61.80 (LT. LANE
SEC. B } 415+71.80 (RT. LANE
STE. GENEVIEVE **COUNTY**

| | |
|--|---------------------------------|
| FINAL PLANS | STD. 706.3 |
| | A - 2269 |
| Submitted by WILLIAM H. BROWN PERIOD ENGINEER | DATE 1-26-62 |
| DEPT. OF TRANSPORTATION HOUSTON | DATE 1-26-62 |
| | COPYRIGHT 1962 |

Bldg. 31E Span #1400, "D" on S. end Pk. Cur. 6 S.B. Brdg.

Top of slab & Crown El. 411.367

Outlets not shown, for C48'-3" - C61'-6" - A48' Cont. Composite I Beam

see Sheet 15 or 16

BRIDGE ROUTE I-55 OVER FOURCHE A DUR CLOS CREEK

STATE ROAD INTERSTATE ROUTE 55

ABOUT 0.6 MI. SO. OF BLOOMSDALE

**PROJECT NO. I-55-2(19) (RTE. I-55) STA. 416+61.30 (LT. LA)
SEC. B STA. 415+71.80 (RT. LA)**

COUNTY

STE. GENEVIEVE

FINAL PLAN

STD. 701
A - 22

SUBMITTED BY: *John J. Sallier*
REGISTERED ENGINEER

REMOVED BY: *John J. Sallier*
REGISTERED ENGINEER

DRAWN BY: *John J. Sallier*
REGISTERED ENGINEER

OCT. 1968 BY M. J. S.
SALLIER & ASSOCIATES, INC.

OCT. 1968 BY A. J. S.
CHECKED

Note: This drawing is not to scale. Follow dimensions.

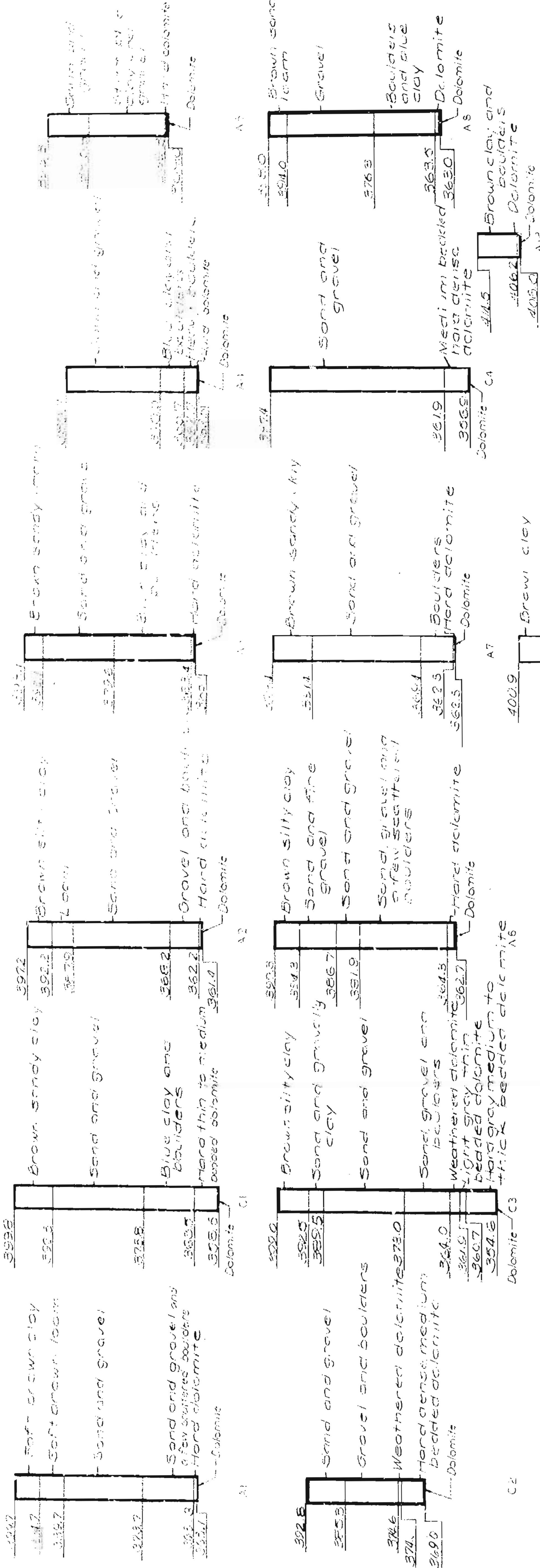
MISSOURI STATE HIGHWAY DEPARTMENT

FINAL PLANS

FOR INFORMATION ONLY

A2269R, Sht. 15

| CD NUMBER | STAN. | FED. AIR MAIL | REG. AIR MAIL | SHIP. MATERIAL | TOTAL SHEETS |
|-----------|-------|------------------|------------------|-------------------|-----------------|
| 100-1000 | | | | | |



978

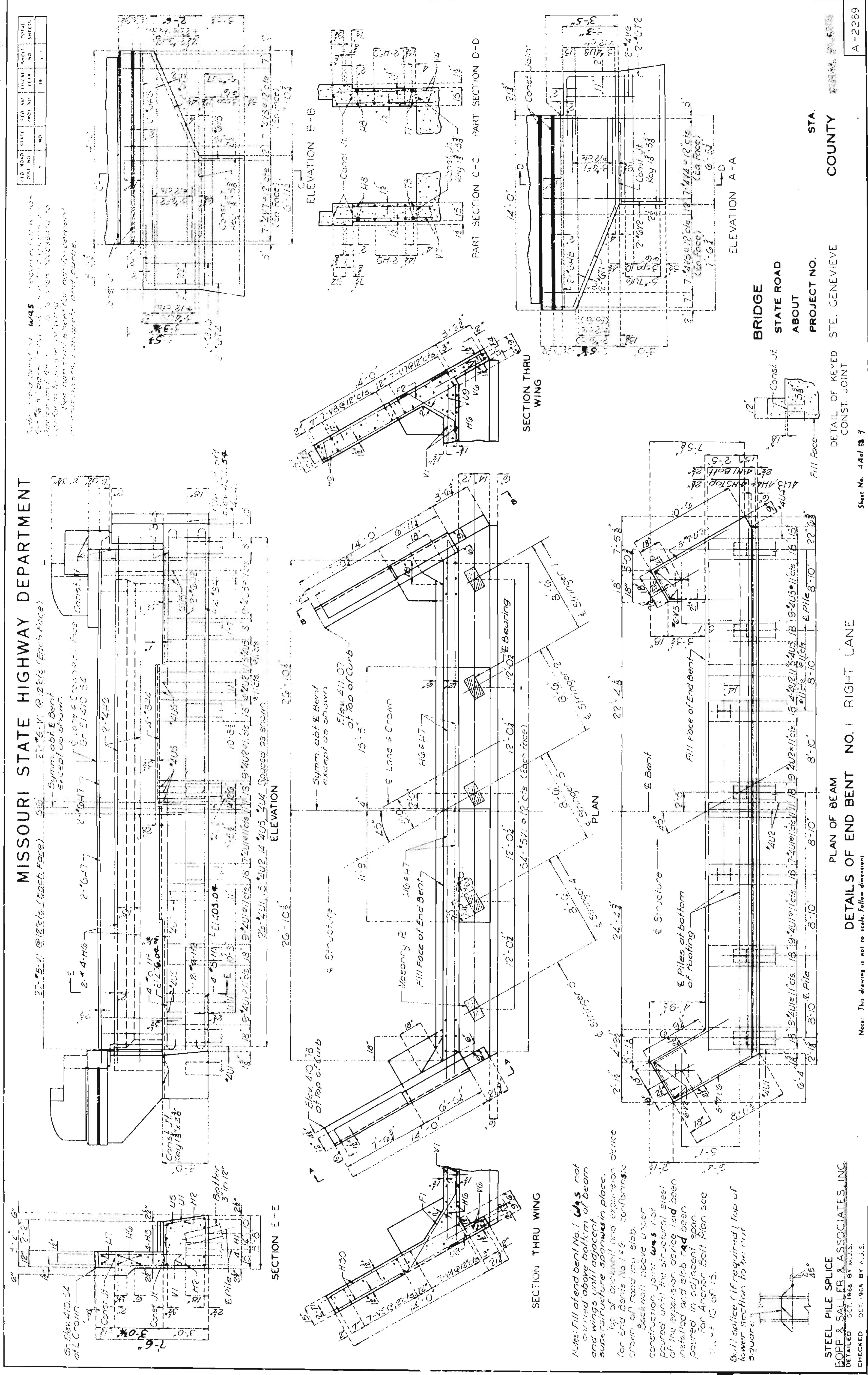
| FINAL QUANTITIES | | | | TOTAL |
|------------------------------|----------|-----------|--------|--------|
| | QUESTIN. | SUPERSTK. | TOTAL | |
| Cross Excavation | Cu Yds | 75.5 | | 75.5 |
| Cross Excavation | Cu Yds | 264.5 | | 264.5 |
| Structural Steel Pipes (10") | Ln Ft | 294.7 | | 294.7 |
| Cross B Concrete | Cu Yds | 388.2 | | 388.2 |
| Cross B/1 Concrete | Cu Yds | | 645.6 | 645.6 |
| Reinforcing Steel | Lbs | 6150 | 204220 | 205730 |
| Painting | 70.5 | | 196.2 | 196.2 |
| Fabricated Str. Carbon Steel | Lbs | 8480 | 398740 | 400420 |
| Brick rail (one tube) | Ln Ft | | 112.6 | 112.6 |
| Class 1 Excavation + 25% | Cu Yds | 17.0 | | 2.0 |
| Class 2 Excavation + 50% | Cu Yds | 4.3 | | 4.3 |
| Test Holes | Ln Ft | | 28 | 28 |

ote: All concrete reinforcement, end posts, carapets and curbs is included within superstructure quantity, ss. No payment for excavation will be allowed at end bents / piers and end bent lanes. Paintment for painting exposed surface of piles and bracing is considered fully covered under item "Structural Steel / Piles" Pay weight for fabricated structural steel based on weight of structural splices in regions where bridge used.

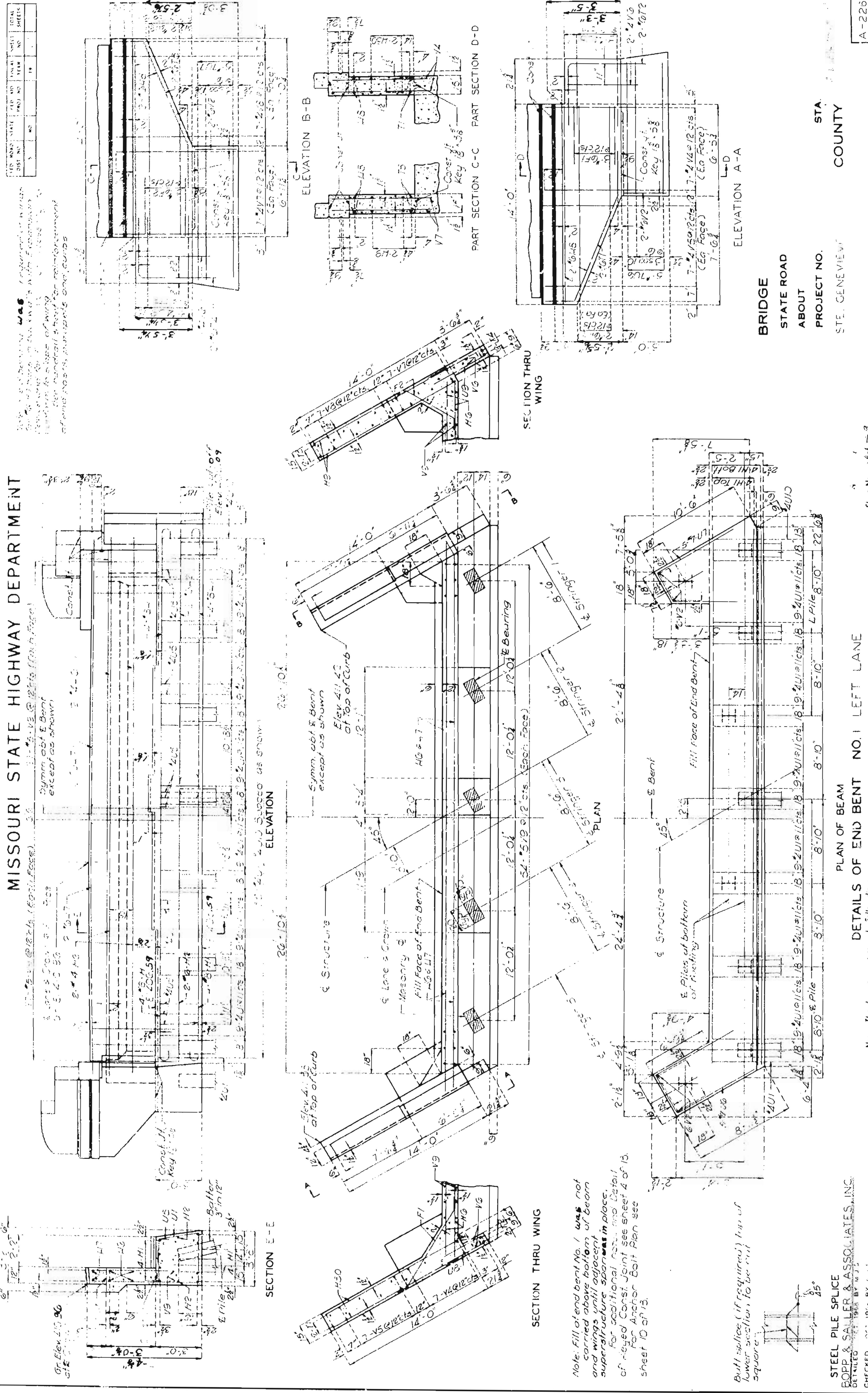
Seating capacity: Minimum energy requirement of passenger since of pile length and design bearing ratio of piles. Increases by three factors ($(\lambda - 1)$) / 2 when the weight of the room (W) is less than the weight of the pile (w). All pile were driven to a depth of 10 m.

Note: This document is in draft form and dimensions

DETAILED 2/7/1955 BY C. H.
CHECKED 2/7/1955 BY C. H.



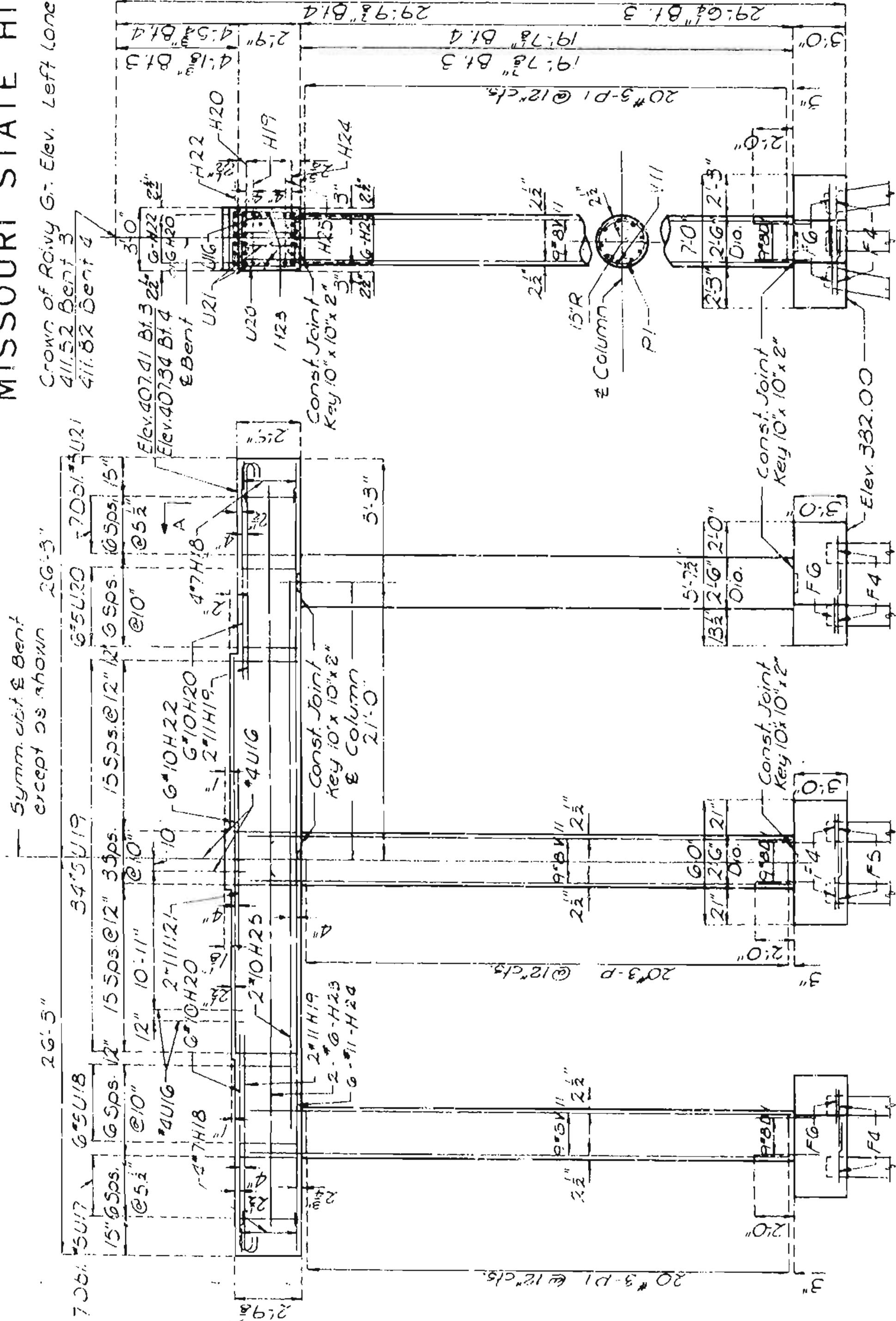
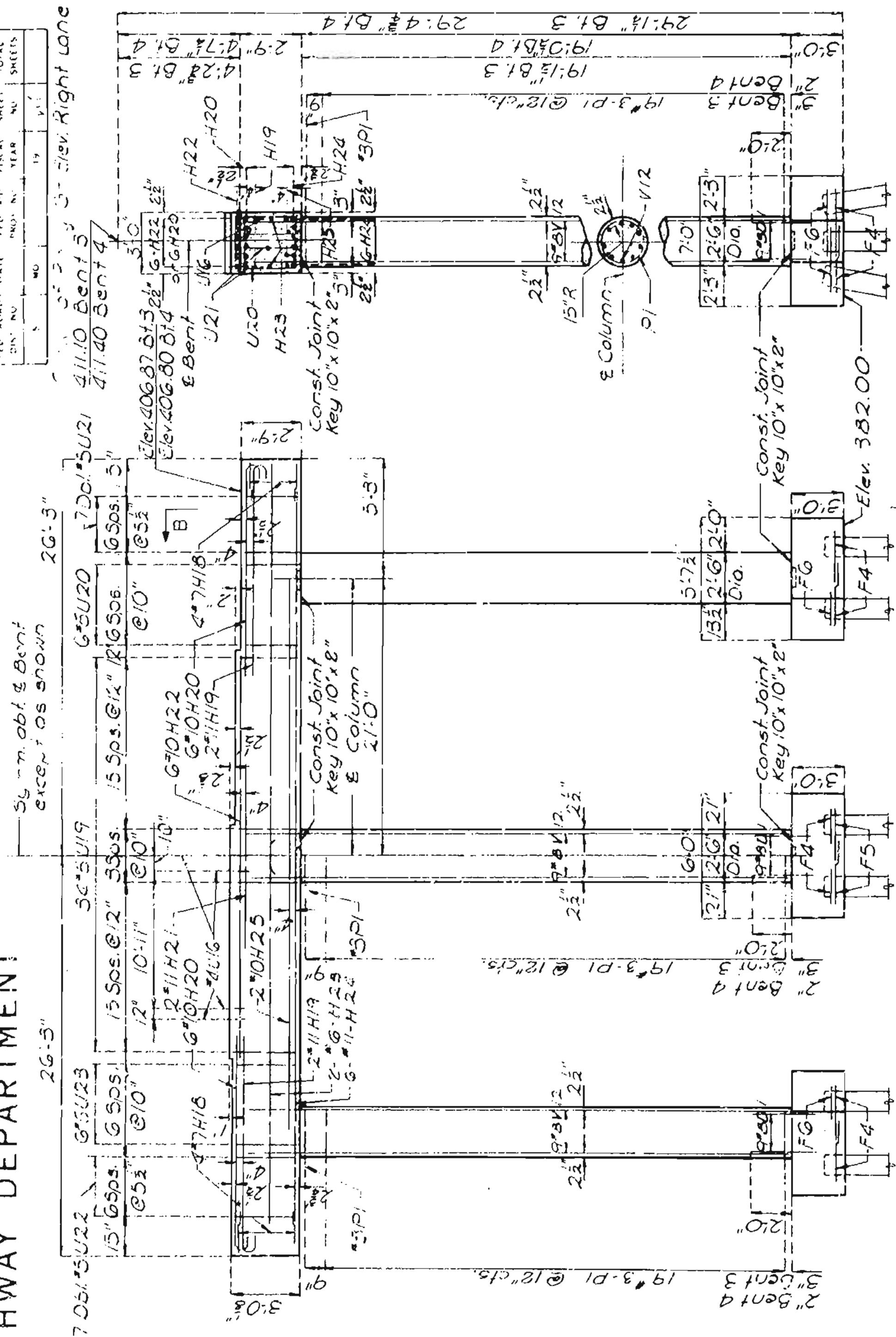
APRIL 1965 JAN 1966
STD. 123 REVISED
BOPP & SAILLER & ASSOCIATES, INC.
DETAILED OCT. 1968 BY M.J.S.
CHECKED OCT. 1968 BY A.J.S.



MISSOURI STATE HIGHWAY DEPARTMENT

FOR INFORMATION ONLY

A2269R, Sht. 20

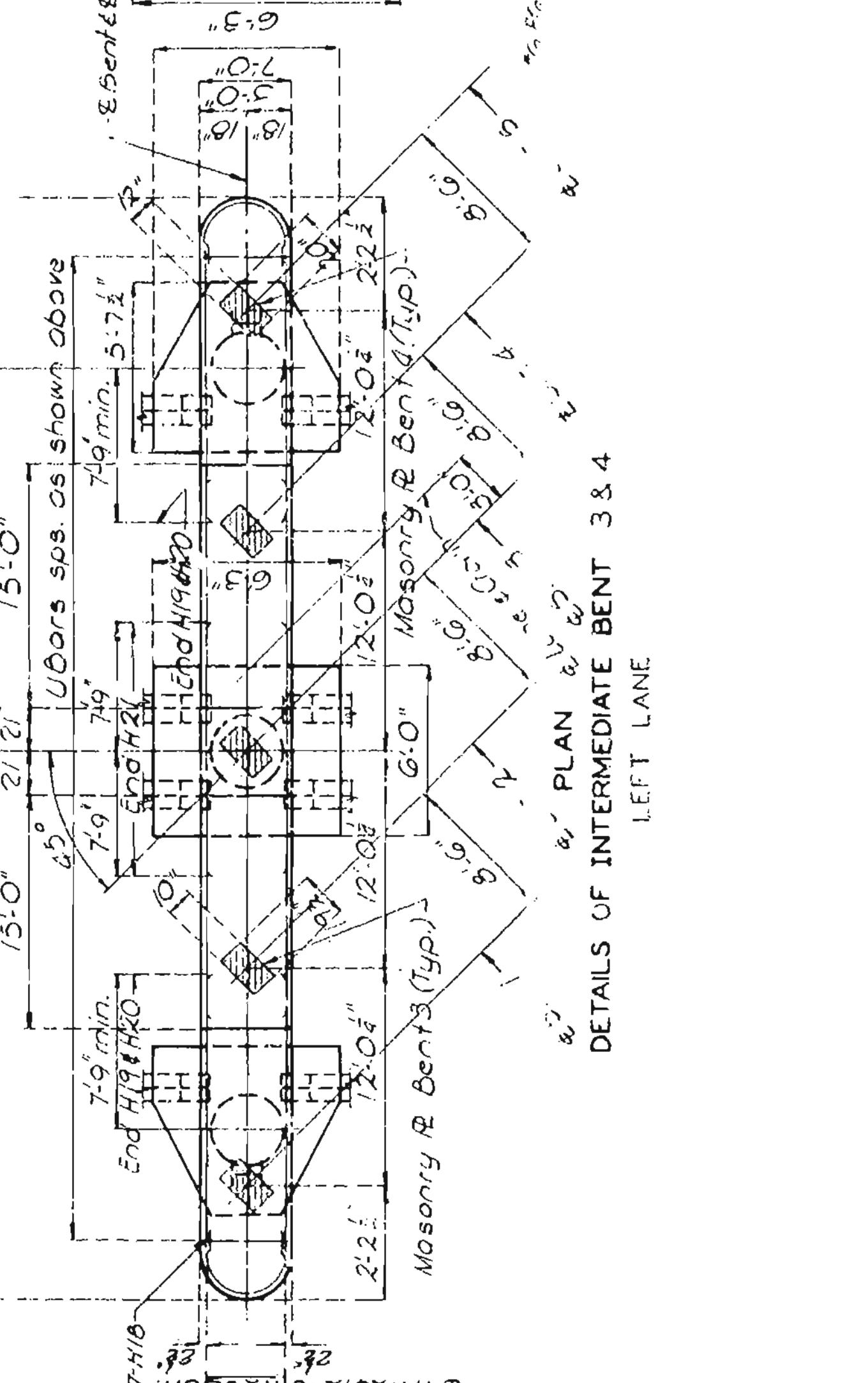
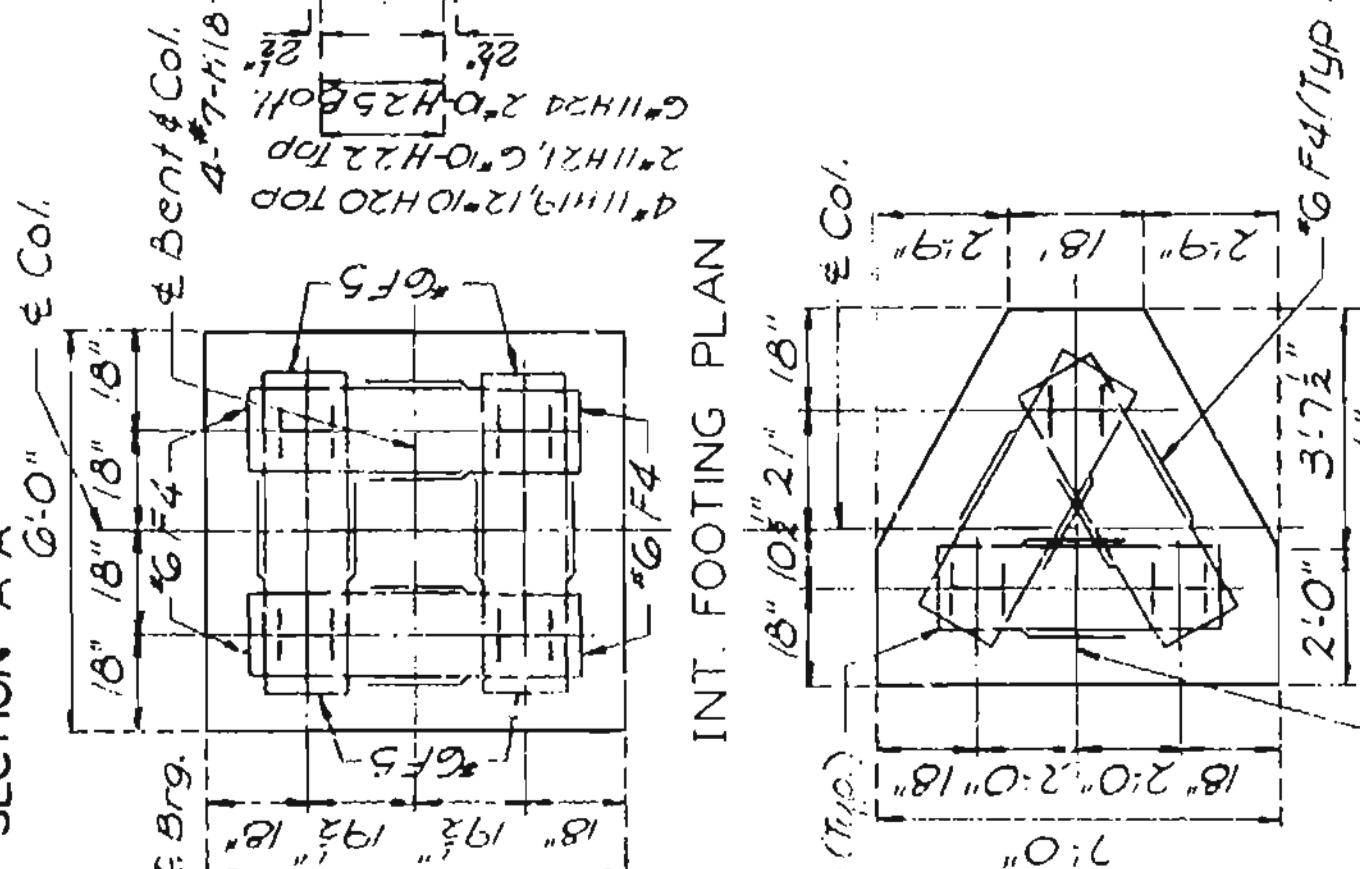
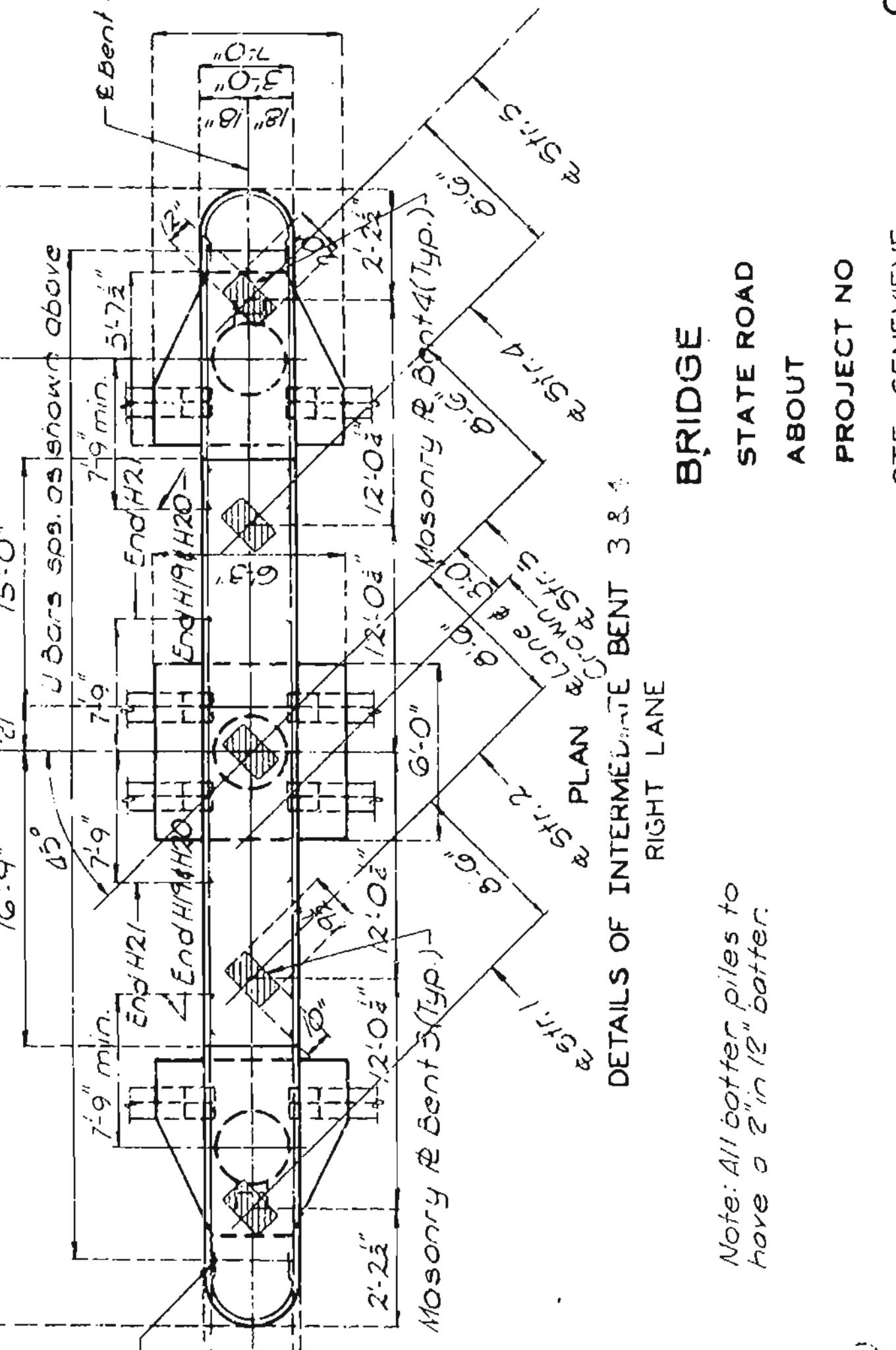


ELEVATION 26'-3" 26'-5" SECTION B-B

ELEVATION 26'-3" 26'-5" SECTION A-A

ELEVATION 26'-3" 26'-5" SECTION B-B

ELEVATION 26'-3" 26'-5" SECTION A-A



EXT. FOOTING PLAN

INT. FOOTING PLAN

Note: This drawing is not to scale. Follow dimensions

STATE ROAD

ABOUT
PROJECT NO.

SITE: GENEVIEVE

STA.
COUNTY

Sheet No. 74 of 139

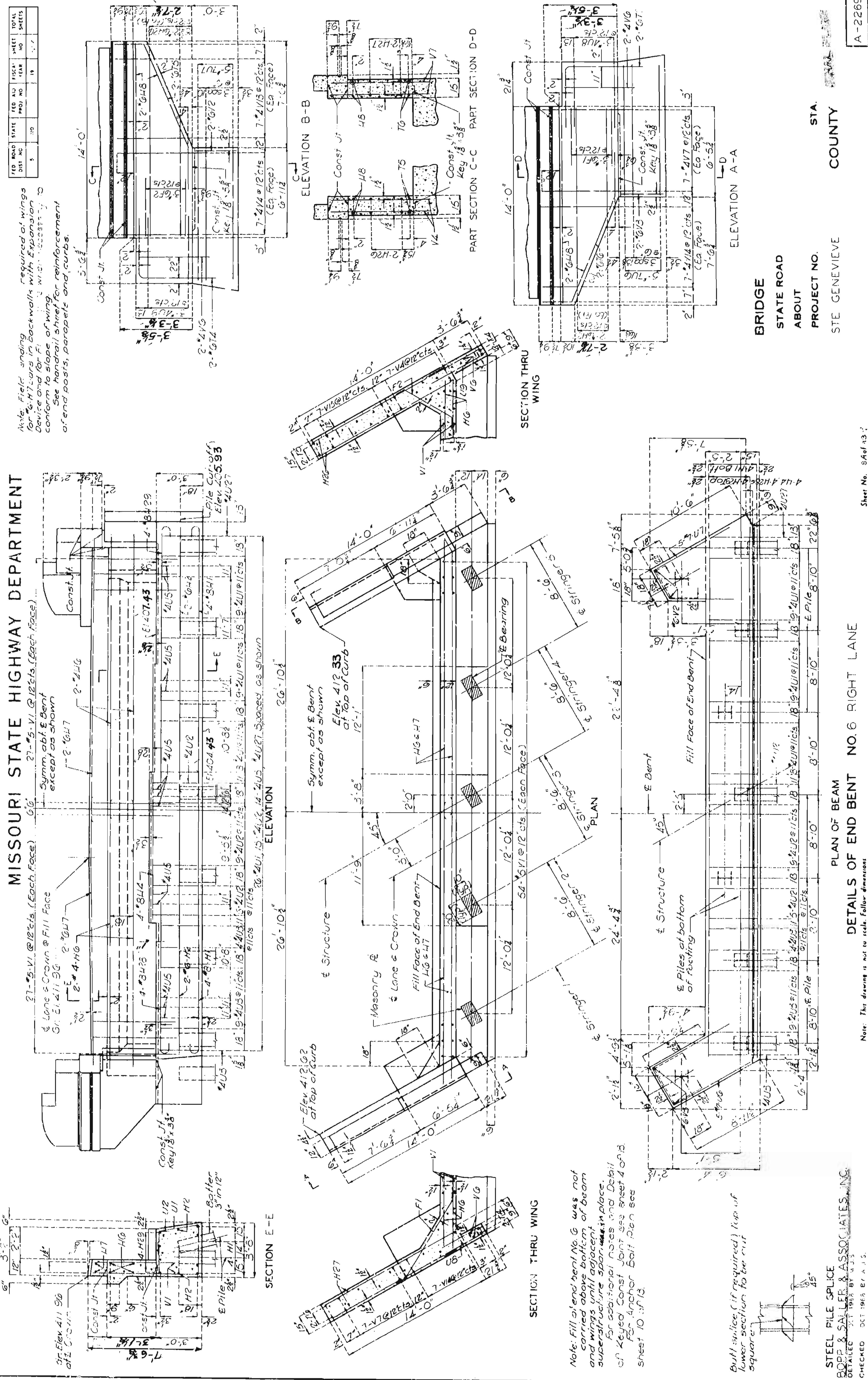
A-2269

DETAILED OCT 1958 BY H. L. W.
CHECKED OCT 1962 BY A. J. S.

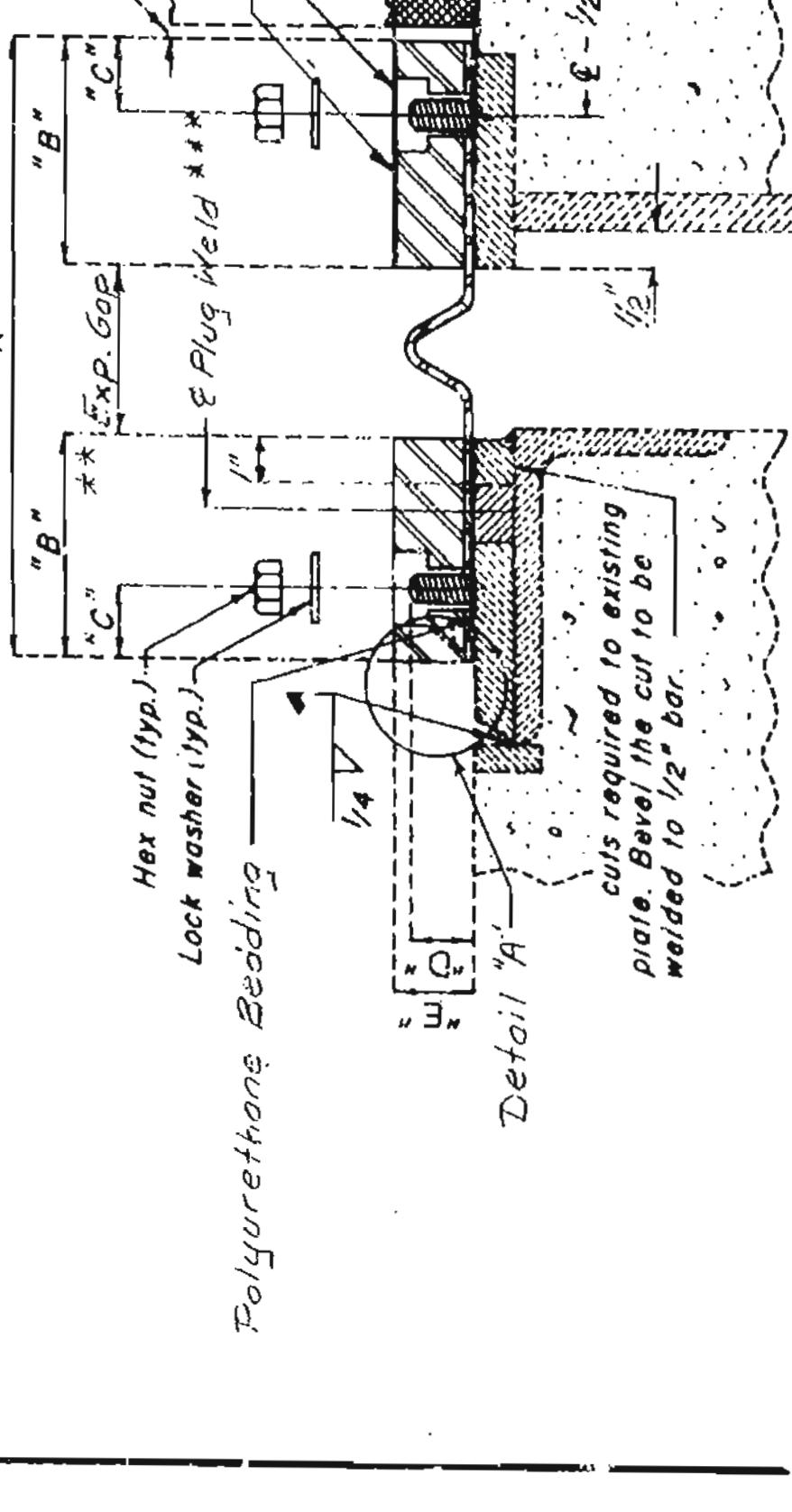
REvised 1965

Sept 1962

John 1965



MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION



Note: Part sections shown are at end bents. Int. bents similar except wearing surface shall be placed on both sides.

Use 1/2" R.B. stud (welded) to anchor new expansion device to steel plate of existing expansion device.

PART SECTION THRU EXPANSION DEVICE

*** Use 1 1/2" plug weld B 12-1/2".
spaced between studs.

TABLE OF DIMENSIONS

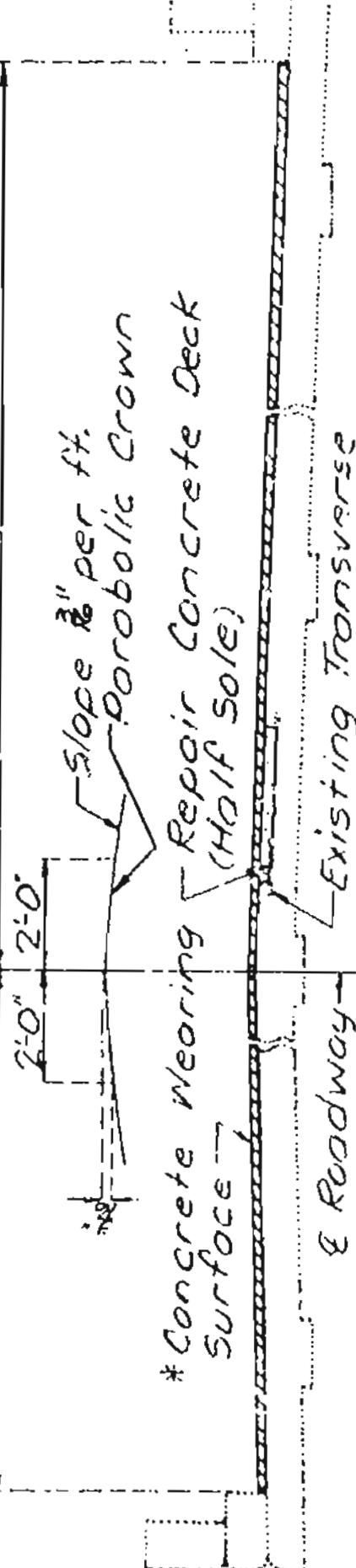
| LOCATION | ACCEPTABLE ALTERNATE TYPES | EXP. GAP AT 60° | "A" | "B" | "C" | "D" | "E" | "F" | ANCHOR STUDS SIZE |
|-------------|----------------------------|-----------------|--------|--------|--------|--------|--------|--------|-------------------|
| Bts. #1/4"6 | GEN-STRIP CCL 3" | 2 1/4" | 2 3/8" | 1 1/2" | 1 1/8" | 1 1/8" | 2" | 3/8" | 65 |
| | WABO BENDOFLEX "E" | 2 1/2" | 1 1/2" | 1 1/8" | 1 1/8" | 1 1/8" | 2 1/2" | 1 1/8" | 50 |

Notes: All dimensions are of right angles, and decreased 1/8" for each 10° fall in temperature. The certified nuts for the anchor studs shall be tightened to four pounds (40 lbs) specified in the table of dimensions. Retighten to 40 foot pounds a minimum of 30 minutes after initial tightening.

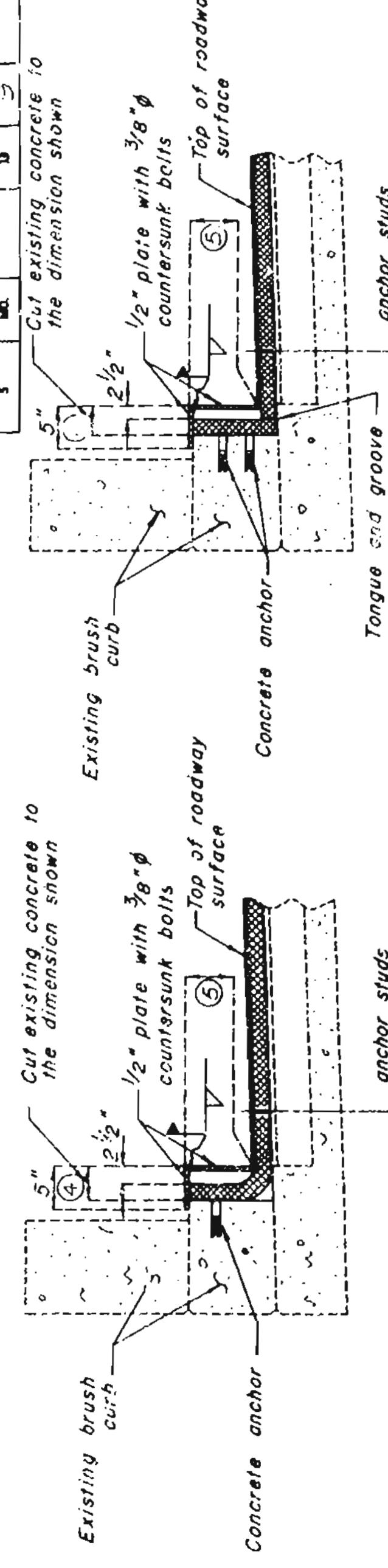
The welded anchor studs shall be reduced base (R.B. type).

If existing expansion device has closed to less than expansion gap given in table, the expansion gap of the new device may be adjusted accordingly and installed in the same manner.

38'-0" Roadway 22'-0"



Existing Transverse Reinforcement



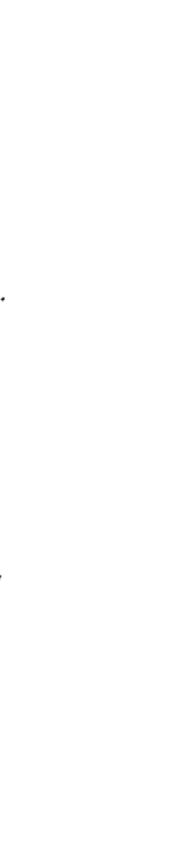
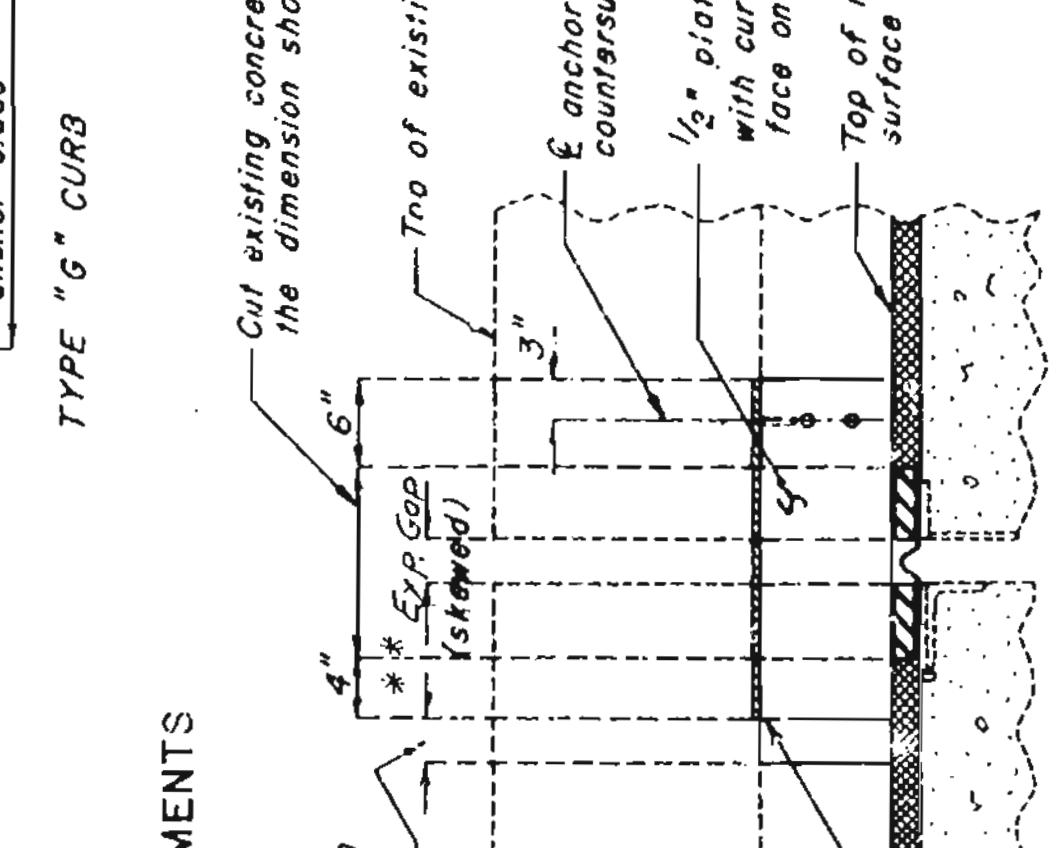
(3) Slope 1/8" in 10'-0" to 1/16" min. thickness
for latex concrete wearing surface and 2" min. thickness for low slump concrete wearing surface.

(4) 6" for latex wearing surface and 6 1/2" for low slump wearing surface.

(5) 7 1/2" for latex wearing surface and 7" for low slump wearing surface.

Curb plates (A.S.T.M. A36) should be galvanized in accordance with A.S.T.M. A102 or may be painted with zinc primer. See Special provisions.

2-layers 50# roofing felt between plate and recess.



| ITEM | ESTIMATED QUANTITIES |
|--|----------------------|
| Concrete Wearing Surface * | 50 sq. yds. |
| Repairing Concrete Deck (Hot & Soaking) | 5 sq. ft. |
| Elastomeric Expansion Joint Seal (3.07 in.) | 20 ft. |
| See Job Specific Provisions for alternate use of Concrete Wearing Surface. | |

Note: Outline of old work is indicated by light dotted lines. Heavy lines indicate new work.

REPAIRS TO

BRIDGE : ROUTE I-55 OVER FOURCHE A DU CLOS
CREEK ROAD INTERSTATE ROUTE 55

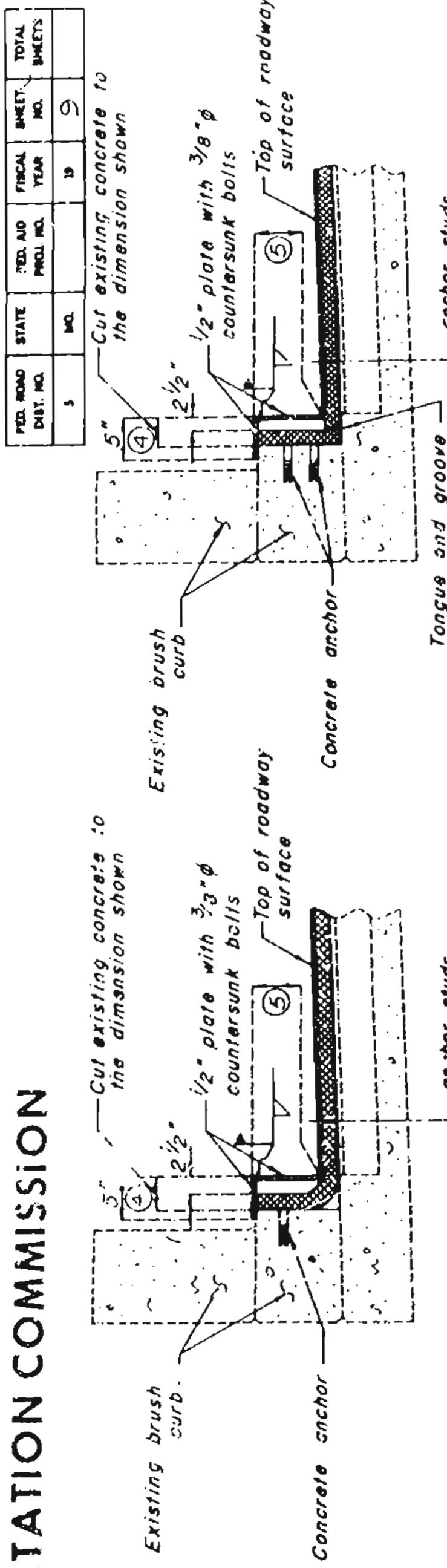
ABOUT 0.6 MI. SO. OF BLOOMSDALE
PROJECT NO. Z-12-52-57
JOB NO. 5-1055-308
STE. GENEVIEVE COUNTY DATE

416+61.80 (RT. LA.)
STA. 415+78.00 (RT. LA.)
STD. STD.
SOLED AREA SOLED AREA
A-2269 R

Note: This drawing is not to scale. Follow dimensions.

Show No. 1 of

Sheet No. 1 of



ALTERNATE CURB TREATMENTS

2 min. thickness for low slump concrete wearing surface.

(2) For low slump wearing surface.

(3) For low slump wearing surface.

Curb plate (A.S.T.M. A36) should be galvanized in accordance with A.S.T.M. A123 or may be painted with zinc primer. See Special Provisions.

| TABLE OF DIMENSIONS | | | | | | |
|---------------------|----------------------------|----------------|---------|-----|------|------|
| LOCATION | ACCEPTABLE ALTERNATE TYPES | EX. GAP AT 60° | "A" | "B" | "C" | "D" |
| BENDOFLEX | WABO BENDOFLEX "E" | 2 1/2" | 10 1/2" | 4" | 1/8" | 1/8" |

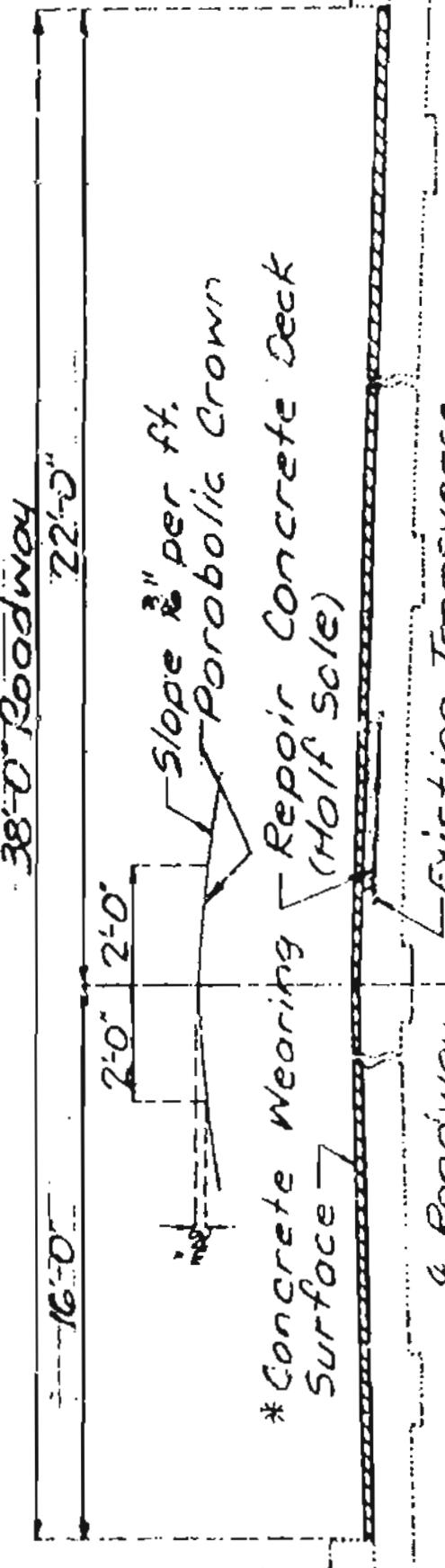
Notes: All dimensions are at right angles.

Expansion gap dimension "A" was increased 1/8" for each 10° fall in temperature and decreased 1/8" for each 10° rise in temperature.

The certified nuts for the anchor studs were tightened to 60 foot pounds (ft-lbs) specified in the table of dimensions. Retighten to 60 ft-pounds minimum of 30 minutes after initial tightening.

The welded anchor studs were reduced base (R.B.) type.

If existing expansion device has closed to less than expansion gap given in table, the expansion gap of the new device may be adjusted accordingly and installed in the same manner.



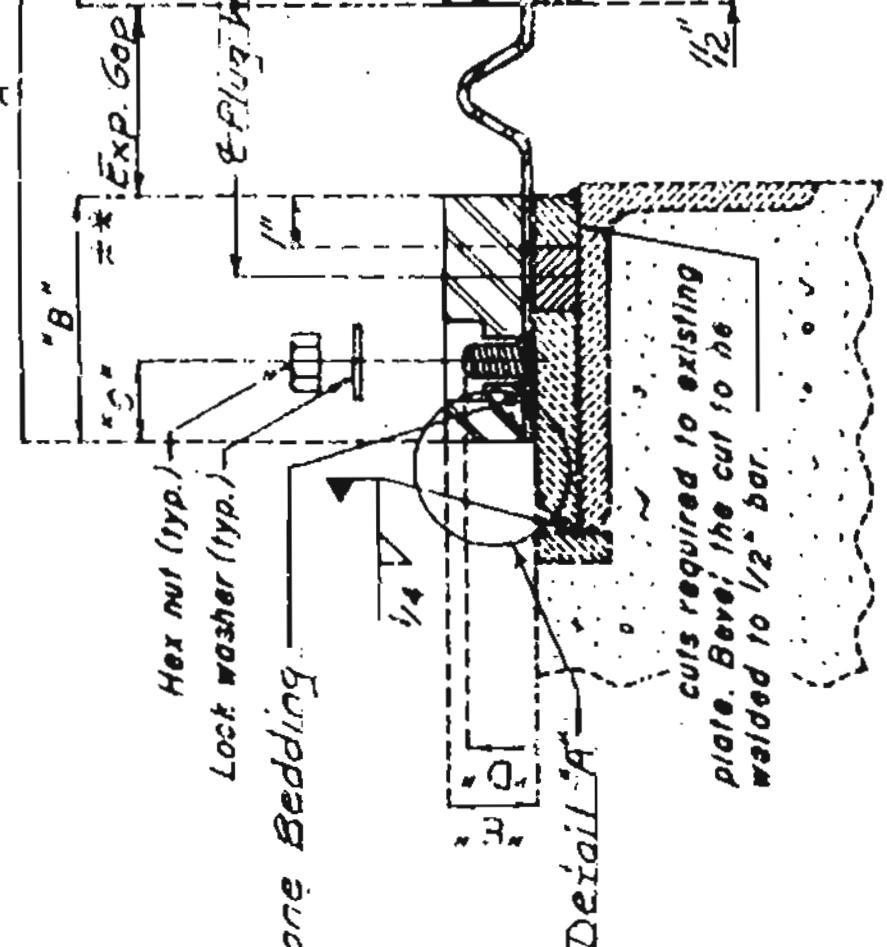
PART SECTION THRU EXPANSION DEVICE

** Use 1 1/2" plug weld 12" cts. spaced between studs.

Use 1/2" R.B. stud

Note: Part sections shown are at end bents. Int. bents similar except wearing surface shall be placed on both sides of expansion device.

Use 1/2" R.B. stud
(welded) to anchor new expansion device to steel plate of existing expansion device.



MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

Note: Part sections shown are at end bents. Int. bents similar except wearing surface shall be placed on both sides of expansion device.

Use 1/2" R.B. stud

(welded) to anchor new expansion device to steel plate of existing expansion device.

TABLE OF DIMENSIONS

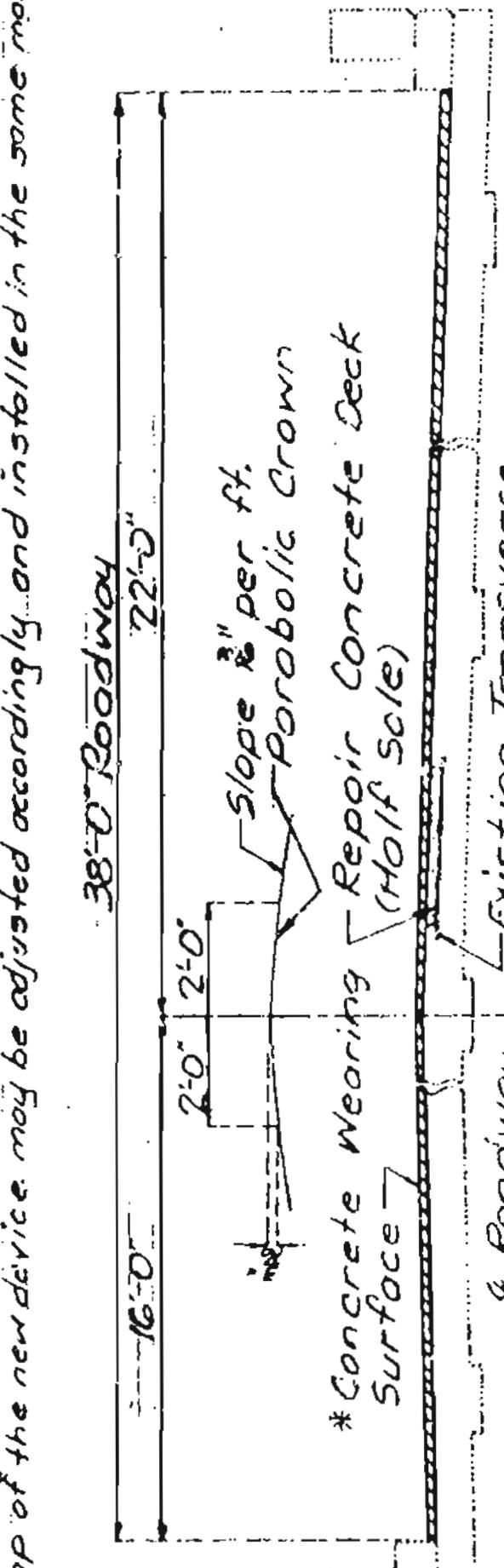
| LOCATION | ACCEPTABLE ALTERNATE TYPES | EX. GAP AT 60° | "A" | "B" | "C" | "D" | "E" | "F" | ANCHOR STUDS SIZE "G" |
|-----------|----------------------------|----------------|---------|-----|------|------|--------|------|-----------------------|
| BENDOFLEX | WABO BENDOFLEX "E" | 2 1/2" | 10 1/2" | 4" | 1/8" | 1/8" | 2 1/8" | 1/2" | 50 |

Notes: All dimensions are at right angles.

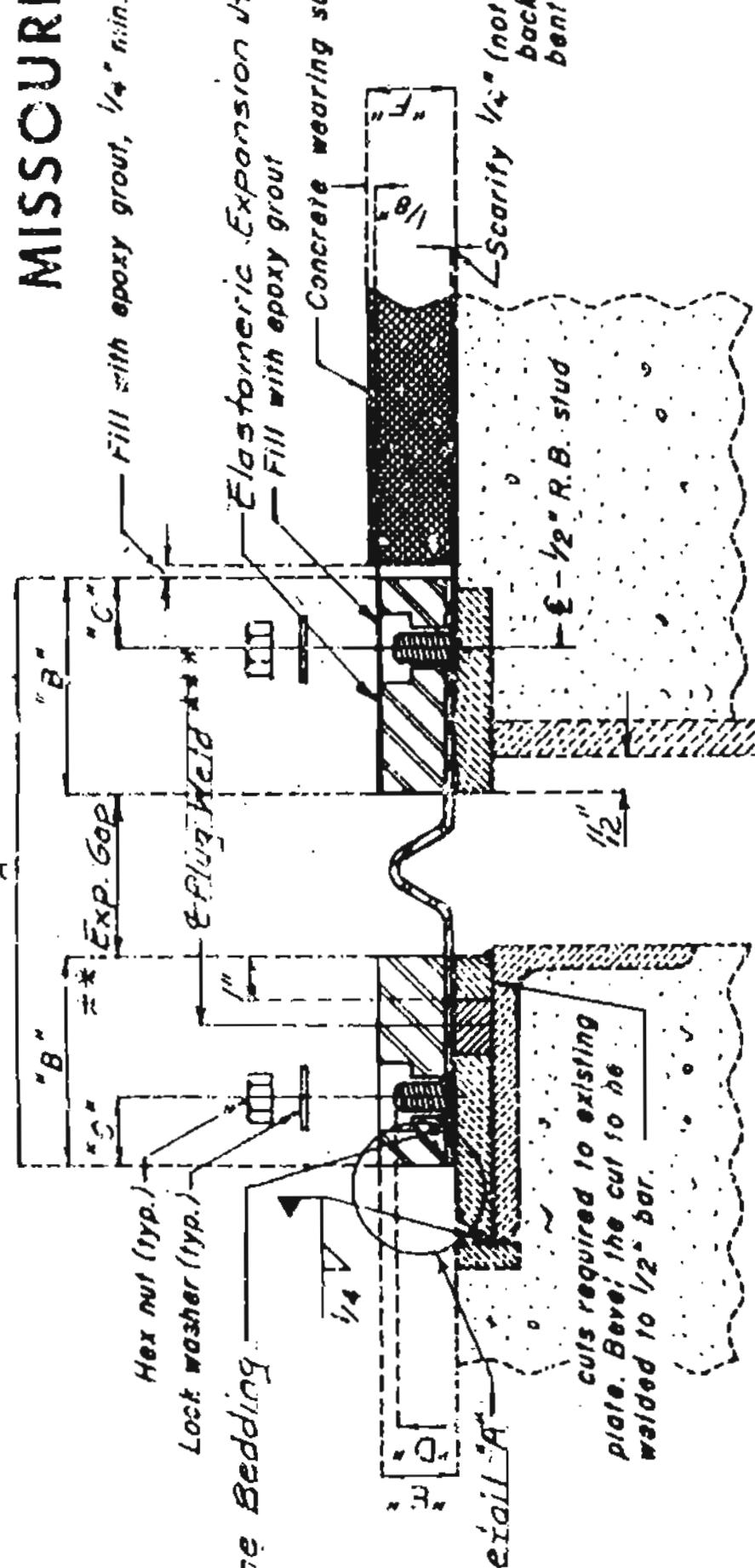
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If existing expansion device has closed to less than expansion gap given in table, the expansion gap of the new device may be adjusted accordingly and installed in the same manner.



PART SECTION THRU EXPANSION DEVICE



Note: Outline of old work is indicated by light dotted lines. Heavy lines indicate new work.

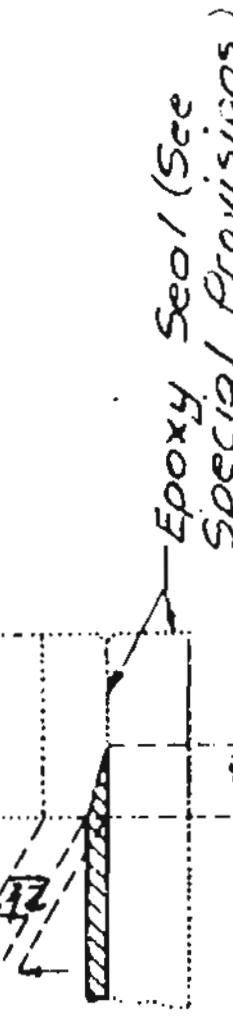
REPAIRS TO

BRIDGE : ROUTE I-55 OVER FOURCHE A DU CLOS STATE ROAD CREEK INTERSTATE ROUTE 55 ABOUT 0.6 MI. SO. OF BLOOMSDALE PROJECT NO. I-I2-55-2(37)

JOB NO. 6-1055-308 STD. DATE

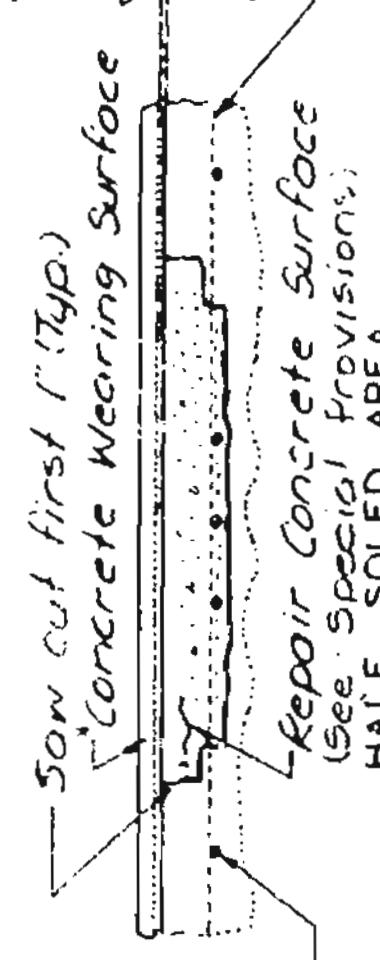
STE. GENEVIEVE COUNTY DATE

B = 2" Low Slump Concrete.



TYPICAL SECTION AT CURB SHOWING OUTLETS

Note: This drawing is not to scale. hollow dimensions.



DESIGNED JUN. 1965
DETAILED JUN. 1965
CHECKED JUN. 1965

A-2269 R
STD.
STD.

A-2269 R